

In the Specification:

Please rewrite the paragraph on page 2, lines 1-6 as shown below:

[0003]

Also, in the case where an optical waveguide is dependent on polarization or in the case where a special AWG is used to prevent four-wave mixing in WDM communications, a polarization-maintaining fiber is used so that a single polarized wave is introduced in the waveguide.

Please rewrite the paragraph on page 2, lines 7-12 as shown below:

At this time, for the polarized wave introduced in the waveguide, the necessary direction of the polarized wave has been determined, so that it is necessary to adjust the end face of the polarization-maintaining fiber in the polarization-maintaining optical fiber array to ~~this~~ the direction of the polarized wave.

Please rewrite the paragraph on page 2, line 24—page 3, line 4 as shown below:

[0005]

However, if the pitch between the polarization-maintaining fibers is shortened, the coatings of polarization-maintaining fibers come into contact with each other. Therefore, if some polarization-maintaining ~~fiber is~~ fibers are rotationally adjusted, the adjacent ~~other~~ polarization-maintaining fibers are interferingly rotated, so that fine adjustment must be made again.

Please rewrite the paragraph on page 3, lines 5-8 as shown below:

For this reason, all of the polarization-maintaining fibers in the fiber array with multiple fibers must be adjusted by repeating these processes, so that this work requires ~~very much a~~ great deal of time and labor.

Please rewrite the paragraph on page 3, lines ~~10-14~~ ⁹⁻¹⁴ as shown below:

[0006]

In particular, in the case of AWG, since the number of channels is on the order of 40 channels, it is very difficult to rotationally adjust all of the forty fibers to a predetermined direction, and such adjustment has never been made with success industrially.